

Positions Available

Cell

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PUBLISHING DATE	DEADLINE
October 20, 1995	September 22, 1995
November 3, 1995	October 6, 1995
November 17, 1995	October 20, 1995

PUBLISHING DATE	DEADLINE
December 1, 1995	November 3, 1995
December 15, 1995	November 17, 1995
December 29, 1995	December 1, 1995

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Harvard University Assistant Professor Molecular & Cellular Biology (MCB)

The Department of Molecular and Cellular Biology intends to make an Assistant Professor appointment (entry level) available starting September 1996. Our department covers a broad range of topics in molecular biology, cellular biology, developmental biology, structural biology, neurobiology, and molecular genetics. We are seeking outstanding candidates. We strongly encourage applications from women and minority groups. Applications should include a curriculum vitae, reprints of publications, and a statement of present and future research plans (1-3 pages). Complete applications and three letters of recommendation, solicited by the applicant, should be received no later than October 1, 1995 by:

**MCB Search Committee
Harvard University
7 Divinity Avenue
Cambridge, MA 02138
(617) 495-2327**

*Harvard University is an Affirmative Action/
Equal Opportunity Employer.*



Postdoctoral/Visiting Scientist in Cancer Genetics

Positions are available to apply Representational Difference Analysis to cloning and characterization of tumor suppressor genes (see *Science*, 259: 946-951, 1993; *Nature Genetics*, 6: 57-63, 1994; *PNAS*, 92: 151-155). A strong background in molecular biology is required preferably with experience in gene hunting and gene expression in mammalian cells.

The University of Pennsylvania Medical Center provides an excellent research environment with brand new laboratories and exceptional research facilities. Send curriculum vitae, summary of past research, and names of three references to:



**Dr. Nikolai A. Lisitsyn
Department of Genetics
School of Medicine
University of Pennsylvania
Stellar-Chance Laboratories
422 Curie Boulevard
Philadelphia, PA 19104-6100
FAX: 215-573-9411**

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Positions Available

Postdoctoral Research Fellowships

The Yale Child Study Center invites applications for three positions in the NIMH sponsored, multidisciplinary postdoctoral research training program in childhood neurobiological disorders. Candidates must have an M.D. and completed their psychiatric and/or pediatric training or have a Ph.D. in psychology, epidemiology, human genetics, molecular biology, pharmacology or neurochemistry. Positions are available for 24 months, beginning in July, 1996. Applications should be submitted by November 30, 1995. Applicants will be notified of decision by January 31, 1996.

Send curriculum vitae, any published research papers, three letters of reference and a brief statement of research goals to:

James F. Leckman
Coordinator of Research
Yale University Child Study Center
P.O. Box 207900
New Haven, CT 06520-7900

U.S. DEPARTMENT OF ENERGY
OFFICE OF HEALTH AND ENVIRONMENTAL RESEARCH



Alexander Hollaender DISTINGUISHED Postdoctoral Fellowship Program

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Information and applications:

Hollaender Postdoctoral Fellowships
Science/Engineering Education Division
Oak Ridge Institute for Science and Education
P.O. Box 117
Oak Ridge, TN 37831-0117
(615) 576-9975

Deadline January 15, 1996

Assistant/Associate/Full Professor Department of Biochemistry

University of Illinois College of Medicine

Applications and nominations are invited for a tenured track faculty position at the level of Assistant/Associate/Full Professor in the area of molecular medicine with emphasis in developmental gene regulation and cell differentiation. We are especially interested in individuals using vertebrate systems to investigate problems related to gene expression in the context of development and medicine.

Applicants should have a Ph.D., postdoctoral experience, a strong record of research accomplishments, and demonstrable potential for the development of an independent research program.

The Department is one of six basic science departments in the largest College of Medicine in the United States and consists of 19 full-time faculty and 13 joint appointees. In recent years we have recruited several senior and junior faculty and are most interested in fostering independent research in an environment of interactive collegiality.

Applications should include a curriculum vitae, a summary of current and future research plans and the names, addresses, telephone/FAX numbers of at least three individuals for references. All inquiries will be held in confidence. Review of applications will begin after October 1, 1995.

Send applications or nominations to:

Chair, Faculty Search Committee
Department of Biochemistry
(M/C536)
University of Illinois
College of Medicine
1819-53 W. Polk Street
Chicago, IL 60612

The University of Illinois is an AA/EOE.

Positions Available

University of Vermont College of Medicine

The University of Vermont College of Medicine is seeking both candidates and nominations for the position of Professor and Chair of the Department of Pharmacology. Current strengths of the Department exist in studies at the tissue, cellular and molecular level in the areas of vascular biology, cancer biology, and ion channels research. Ph.D., M.D. or equivalent degree is required. Candidates should have a demonstrated record of: leadership, excellence in teaching, and productivity in research.

Applications will be accepted until the position is filled. Review of the candidates will begin by September 15, 1995. Curriculum vitae and a letter of interest should be sent to:

Edwin G. Bovill, M.D.
Chair, Department of Pharmacology Search Committee
Chair, Department of Pathology
University of Vermont
College of Medicine
E-109 Given Building
Burlington, Vermont 05405

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Women and people from diverse racial, ethnic and cultural backgrounds are encouraged to apply.

Children's Hospital - University of Cincinnati Director, Developmental Biology

Applications are invited for the position of Director of Developmental Biology and Albert Sabin Professor of Pediatrics to lead a well-established program in molecular and developmental biology. Candidates will be expected to direct their own outstanding research program, lead the Division of Developmental Biology (a 10 member PhD faculty with primary focus to the molecular biology of mammalian development), participate in a well-established graduate program in developmental biology and interact with research activities in developmental sciences at the Children's Hospital Research Foundation and the University of Cincinnati College of Medicine. Candidates will have an MD and/or PhD degree and an internationally recognized program in developmental molecular biology. Outstanding support facilities are available for the Director and the program.

Send a letter of interest and curriculum vitae to:

Jeffrey A. Whitsett
Associate Chair of Pediatrics
c/o Search Committee
Children's Hospital Medical Center
Division of Pulmonary Biology
3333 Burnet Avenue
Cincinnati, OH 45229-3039

Children's Hospital Medical Center is an Affirmative Action/Equal Opportunity Institution. Women and minorities are encouraged to apply.

Positions Available

Postdoctoral Position Immunology

A postdoctoral position in the Laboratory of T Cell Development to study T cell development and function in normal and transgenic mice is available immediately.

Applicants must possess knowledge of cellular immunology. M.D. degree is an advantage.

Sloan-Kettering Institute offers a stimulating research environment and excellent facilities. Housing assistance may be available.

Please submit a curriculum vitae and three letters of reference to:

Janko Nikolic-Zugic, M.D., Ph.D.
Head, Laboratory of T Cell Development
Sloan-Kettering Institute
for Cancer Research
1275 York Avenue
New York, NY 10021

Fax: 212/794-4019



Postdoctoral Position Developmental Biology

A position is currently available to study the establishment of the *Drosophila* germ cell lineage during embryogenesis. Our research focus is on the identification of genes which specify the germ cell lineage and the mechanism by which this cell type is specified (see Cell vol. 70, p. 569-584 and Genes and Dev. vol. 8, p 2123-2136, 1994). Candidates should have a strong interest in developmental biology, with experience in molecular biology, cell biology or *Drosophila* genetics.

The University of Pennsylvania, School of Medicine provides an excellent research environment with several new faculty members and brand new research facilities. Send a curriculum vitae with list of publications, summary of past research and a list of three references to:



Dr. Thomas A. Jongens
Department of Genetics
University of Pennsylvania
School of Medicine
Stellar-Chance Laboratories
422 Curie Boulevard, Rm. 709b
Philadelphia, PA 19104-6100

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Cell & Molecular Biology of Aging Postdoctoral Research Training

Positions are available for postdoctoral trainees in cell and molecular biology of aging at Baylor College of Medicine. This interdisciplinary program offers trainee appointments in the laboratories of **Drs. Julius Allen, Stanley Appel, Eugene Barnes, Ronald Davis, Stephen Elledge, Peter Hornsby, Russell Lebovitz, Victoria Lundblad, Bert O'Malley, Gregory May, Estela Medrano, Olivia Pereira-Smith, Joanne Richards, Shelley Sazer, Robert Schwartz and James Smith.** Research emphasis is on the regulation of gene transcription and expression in normal and aged cells; the role of the sodium pump in aging cells; molecular and genetic approaches to understanding cell cycle control genes involved in yeast and human cells, including fibroblasts, hepatocytes, adrenal cortical cells, melanocytes and myoblasts; hormonal control of gene expression in the ovary; and the study of genes involved in the genetic program of mortality. Applicants must be citizens or permanent residents of the United States. Send a curriculum vitae and three reference letters to:

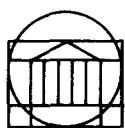


Dr. Gretchen Darlington
Huffington Center on Aging
Room M-320
Baylor College of Medicine
Houston, TX 77030

Baylor College of Medicine is an Equal Opportunity/Affirmative Action/Equal Access Employer.

Positions Available

UNIVERSITY OF VIRGINIA



**HEALTH
SCIENCES
CENTER**

DEPARTMENT OF BIOCHEMISTRY

**University of Virginia
School of Medicine**

Tenure-Track Positions in Molecular Biology

The University of Virginia School of Medicine is undergoing a major expansion of its basic science faculty. As a part of this effort, the Department of Biochemistry will make several new junior-and senior-level tenure-track appointments to outstanding individuals whose research efforts focus on mechanisms of transcription, RNA processing, DNA replication, or genome rearrangement.

Candidates should hold a Ph.D. and/or M.D. in an appropriate discipline and should have demonstrated the capacity to develop and/or maintain a very high quality, independent research program. Support for these positions includes attractive laboratory space and start-up packages, as well as an interactive research community.

Interested individuals should have a curriculum vitae and three letters of recommendation forwarded no later than October 15, 1995 to:

**Chairperson
Biochemistry Search
Box 440
Jordan Hall
University of Virginia HSC
Charlottesville, VA 22908**

*The University of Virginia is an equal
opportunity/affirmative action employer.*

PENN
UNIVERSITY of PENNSYLVANIA

Tenure-Track Faculty Positions Department of Genetics

The Genetics Department of the University of Pennsylvania School of Medicine is continuing its recent expansion and plans to make appointments in the molecular genetics of both lower and higher eukaryotes, including developmental genetics and human genetics. Attractive new laboratory space and resources are available.

The deadline for applications is January 1, 1996. Candidates should send curriculum vitae, statement of research interests and three letters of recommendation to:



**Chair, Search Committee
Department of Genetics
School of Medicine
University of Pennsylvania
415 Curie Boulevard
Philadelphia, PA 19104-6145**

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Assistant Professor Structural Biology Department of Molecular Biology Princeton University

The Department of Molecular Biology at Princeton University invites applications for a tenure track position in structural biology and biochemistry at the Assistant Professor level. Exceptional senior level scientists may also be considered. Candidates must have a Ph.D. degree or equivalent and several years of postdoctoral experience.

Qualified applicants should send a curriculum vitae, a summary of research interests, and three letters of reference to:

**Structural Biology Search Committee
Department of Molecular Biology
Princeton University
Princeton, New Jersey 08544**

Application deadline: December 1, 1995.

*Princeton University is an Equal Opportunity/
Affirmative Action Employer.*

Positions Available



UNIVERSITY OF CALIFORNIA, LOS ANGELES

The Division of Life Sciences in the College of Letters and Science at UCLA announces a search for a distinguished scholar and educator to assume the position of Chair of the new Department of Molecular, Cell and Developmental Biology.

We are looking for a mid-career or senior-level scientist with a distinguished record of productivity, a strong desire to maintain an active and productive research program, and a commitment to undergraduate education. The faculty presently consists of 17 members, with strengths in all of the areas indicated in the name of the department, in both plant and animal systems.

The new Chair will be expected to define and participate in expansion of this faculty over the next several years, coordinating with existing strengths in the Molecular Biology Institute, the Energy Department's Laboratory of Structural Biology and Molecular Medicine, and the basic sciences departments of the School of Medicine. The Division already has in place a strong administrative structure to assist the Chair in day-to-day operation of the new department, freeing him or her to maintain a strong research program and attend to academic matters.

Individuals interested in this position should send their curriculum vitae and the names of three potential references to:

**Chair, MCDB Search Committee
2203 Life Sciences Building
University of California
Los Angeles, CA 90095-1606**

The University of California, Los Angeles, is an Affirmative Action/Equal Opportunity Employer. Women, minorities, and persons with disabilities are encouraged to apply.

Positions Available

Faculty Position Department of Pharmacology University of Wisconsin Medical School

The Department of Pharmacology invites applications for a tenure-track position at the ASSISTANT PROFESSOR level, available July 1, 1996, as part of a Departmental growth program. Applicants should have a Ph.D. and/or M.D., relevant postdoctoral experience, a strong research background, and be using state-of-the-art methods to define molecular mechanisms which regulate cell function. Outstanding individuals who will expand and complement current Departmental teaching programs and research programs in the areas of cardiovascular pharmacology, receptor pharmacology, neuropharmacology, signal transduction, and regulation of cell growth will be considered. Faculty in the Department of Pharmacology are expected to establish externally funded research programs and teach medical students, graduate students, and postdoctoral trainees. The Department of Pharmacology functions in an outstanding research environment and participates in campus-wide interactive programs. An attractive start-up package and competitive start-up funds will be available.

In order to ensure full consideration, applications must be received by October 27, 1995. Applicants should send a curriculum vitae, along with a summary of research interests and goals, and arrange to have at least three letters of reference sent to:

Faculty Search Committee
Department of Pharmacology
University of Wisconsin Medical School
1300 University Avenue
Madison, WI 53706-1532

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Jennifer Oneglia
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Positions Available

Tenure Track Position

Molecular Modeling of Human Disease

A tenure track position is available to direct a research program that will complement ongoing research in the development of models of human disease and gene therapy. Candidates should have experience with molecular genetic manipulations including gene targeting and transgenic animal generation. Candidates will be appointed in the Department of Microbiology and Immunology and in the newly formed Division of Molecular Medicine and Gene Therapy. Candidates holding a doctoral degree(s) and at least three years of post-doctoral experience are eligible. To be considered for the position, please send a cover letter, a curriculum vitae with bibliography, a two page statement of research interests, and three letters of recommendation to: **Howard J. Federoff, M.D., Ph.D., Division of Molecular Medicine and Gene Therapy, Department of Neurology, University of Rochester Medical Center, 601 Elmwood Avenue, Rochester, NY 14642.** The University of Rochester is an equal opportunity employer.

Director CVRI

Director, Cardiovascular Research Institute, University of California, San Francisco.

The CVRI is an interdepartmental, interdisciplinary research and teaching Organized Research Unit.

The director should have a demonstrated research track record in contemporary biology and the vision to direct programs in cardiovascular and pulmonary research at the interface between fundamental science and medicine.

Send curriculum vitae to:

Robert B. Jaffe, M.D.
Chair, Search Committee
c/o Dean's Office
School of Medicine
University of California, San Francisco
San Francisco, CA 94143-0410

*UCSF is an affirmative action employer.
Women and minorities are encouraged to apply.*

California Institute of Technology Division of Biology Assistant Professor Developmental Genetics

The Division of Biology of the California Institute of Technology plans to hire an assistant professor in the area of developmental genetics.

We are looking for the best developmental geneticist, regardless of model system, experimental approach, or specific developmental problem. The term of initial appointment is normally four years, and appointment is contingent upon completion of a Ph.D. degree.

Highly qualified applicants committed to a career in research and teaching are invited to send a curriculum vitae, reprints of publications, a list of at least three referees, and a description of research interests to:

The Developmental Genetics Search Committee
c/o Ms. Gwen Murdock
Division of Biology 156-29
California Institute of Technology
Pasadena, California 91125
USA

Caltech is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans and disabled persons are encouraged to apply.

Positions Available



SAMUEL LUNENFELD RESEARCH INSTITUTE MOUNT SINAI HOSPITAL UNIVERSITY OF TORONTO

With funds provided by municipal, provincial and federal governments, the Samuel Lunenfeld Research Institute at Mount Sinai Hospital is undergoing a major expansion to create a new Program in Molecular Medicine and Genome Research.

▲ **Scientists & Clinician-scientists** *Program in Molecular Medicine*

The Institute is seeking up to 8 outstanding scientists and clinician-scientists interested in the broad areas of polygenic disorders, genetic predisposition to disease, informatics, population genetics and bioethics. Established scientists and new investigators are invited to apply. The Program will complement the Institute's existing Programs in Molecular Biology and Cancer (led by Dr. Tony Pawson), Development and Fetal Health (led by Drs. Janet Rossant and Stephen Lye), Epidemiology and Biostatistics (led by Dr. Sandy Logan), plus a number of groups engaged in studies at the forefront of biomedical research. The Institute currently occupies about 50,000 sq. ft. of laboratory space at Mount Sinai Hospital, a teaching hospital fully affiliated with the University of Toronto. The expansion will add an additional 25,000 sq. ft. of space and will be completed in Spring 1996. Successful applicants will have full access to existing facilities (ES technology, cell sorting, transgenics, histopathology etc.) as well as new core facilities to support genome research.

All Institute staff members have cross appointments at the University of Toronto and full access to graduate students. Clinician-scientists will receive appropriate clinical appointments.

Candidates should submit their curriculum vitae, names of three referees, and a concise statement of their research goals to: **Dr. Alan Bernstein, Director, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, 600 University Avenue, Toronto, Ontario, Canada, M5G 1X5.**

Postdoctoral Position Signal Transduction Massachusetts General Hospital

One postdoctoral position is available to study the regulation and function of the stress-activated protein kinase (SAPK) subfamily of c-Jun kinases. Projects include identification of novel MEKs and SAPK substrates, as well as characterization of the role of Rho family GTPases in SAPK regulation. Studies are to be carried out in the M.G.H. Diabetes Research Laboratory at the M.G.H. East campus in Charlestown. Experience with molecular biology and protein kinase biochemistry are prerequisites.

Applicants should send a statement of research interests, a curriculum vitae and three letters of reference to:

**John M. Kyriakis, Ph.D.
Diabetes Research Laboratory
Massachusetts General Hospital, East
149 13th Street
Charlestown, MA 02129**

*M.G.H. is an affirmative action,
equal opportunity employer.*

RESEARCH FELLOWSHIP POSITIONS

The Cardiovascular Institute of the Mount Sinai Medical Center has postdoctoral positions available in the mole-

**Mount
Sinai**

cular biology of lipoprotein metabolism and atherosclerosis. Training in cell and/or molecular biology essential.

Please send C.V. and names of three references to: Dr. Edward Fisher, Cardiovascular Institute, The Mount Sinai Medical Center of New York, Box 1030, One Gustave Levy Place, New York, NY 10029. An Equal Opportunity Employer.

*The Mount Sinai Medical Center of New York
Take good care of your career.*

Positions Available

MOLECULAR MINERAL NUTRITION

The University of Missouri-Columbia is seeking a tenure-track **Assistant Professor** in Nutritional Sciences, with a Ph.D. in biochemistry, molecular biology, nutritional sciences or related area, and with postdoctoral research experience. The successful candidate will be housed in newly remodeled facilities, and expected to develop a nationally-funded research program utilizing molecular and/or biochemical techniques to study problems of nutritional importance. Preference will be given for individuals focused on aspects of metal-related nutrient regulation of gene expression or genetics of in-born errors of metabolism. The position includes support for technical staff and some teaching responsibilities. **Applications accepted until October 31, 1995, or until position is filled.**

Send curriculum vitae, representative publications, summary of past research and teaching accomplishments and future research plans, and arrange for three letters of reference to be sent to: **Dr. R. A. Sunde, Search Committee Chair, Nutritional Sciences Program, 217 Gwynn Hall, University of Missouri, Columbia, MO 65211.**

The University of Missouri is an Equal Opportunity/Affirmative Action Employer.

Postdoctoral Positions Yeast Cell Biology/Genetics Dartmouth Medical School

Two postdoctoral positions available (one now, one in 1996) to study nucleocytoplasmic export of mRNA in *S. cerevisiae*. A genetic screen for mutants defective in RNA export has identified several novel nuclear pore complex proteins and other gene products which are required for efficient RNA export (see *J. Cell Biol.*, 129:939-955 and *Mol. Biol. Cell*, 6:401-417). Studies are underway to determine the role these proteins play in RNA export and nuclear structure. Other studies are directed at examining the regulation of RNA export.

A strong background in genetics, molecular biology, or yeast cell biology is highly desirable.

Please send CV and names/addresses of three references to:

Dr. Charles Cole
Department of Biochemistry
Dartmouth Medical School
Hanover, NH 03755
email: charles.cole@dartmouth.edu



Developmental Biology/Evolution

The Department of Biological Sciences invites applications for tenure-track positions at the full, associate and assistant professor level. We are seeking faculty members with their primary research interest in molecular genetic analysis of development and evolution. We are particularly interested in individuals using molecular genetic analysis of development to address evolutionary questions, although other areas will be considered. The department is undergoing a significant expansion and plans to make evolutionary development an area of emphasis.

Substantial space and start-up funds will be made available to the successful candidates. The department occupies a new seven-story research building with animal rooms, greenhouses, microscopy facilities, *Drosophila* support facilities, and a molecular biology core facility.

Applicants must have demonstrated excellence in research and the potential for the highest quality teaching. Candidates will be expected to establish and maintain an extramurally funded research program and participate in both undergraduate and graduate teaching programs.

Women and minority candidates are encouraged to apply. Review of candidates will begin immediately and continue until all positions are filled.

Send curriculum vitae, a description of current and long-range research plans, three representative papers and the names of four references to:

Jack Lilien
Chair, Department of Biological Sciences
Wayne State University
Detroit, MI 48202

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Wayne State University - People working together to provide quality service.
All buildings, structures and vehicles at WSU are smoke-free.

Positions Available

Yale University School of Medicine

Yale University School of Medicine announces plans to establish a new, freestanding Section of Microbial Pathogenesis, to carry out basic studies in the molecular pathogenesis of infectious diseases.

Recruitment is underway for a senior individual with a record of outstanding research in viral or bacterial pathogenesis to head and develop this section. The opportunity to recruit new faculty, with concomitant resources, will be provided, and newly renovated space is available. The Section of Microbial Pathogenesis will have a major responsibility for pre-doctoral and post-doctoral training programs in microbiology. The successful candidate will be appointed at the level of Professor.

Interested candidates should send curriculum vitae, a statement of research interests, and 3 references to:

Keith Joiner, Chair
Microbiology Search Committee, LCI 808
Yale University School of Medicine
333 Cedar St.
P.O. Box 208022
New Haven, CT 06520-8022

Application deadline is November 1, 1995. Yale University is an equal opportunity employer.
Women and minorities are encouraged to apply.

Cell Biology

A FACULTY POSITION supported by the Markey Charitable Trust is available at the junior or senior level in cell biology. Areas of particular interest include **cell growth control**, the **cell cycle**, **signal transduction mechanisms**, and **cancer**, but other areas which fortify and complement existing research strengths in cell and neurobiology will also be considered. Direct relevance to problems of medical interest, and the use of molecular, genetic and transgenic approaches are desirable. Appointments carry institute-backed salary guarantees and liberal start-up packages for personnel, equipment and operating costs.

Submit a detailed *curriculum vitae*, a one-page summary of research interests and future research plans, and three letters of recommendation to:

Dr. Richard Vallee, Scientific Director
c/o Human Resources - Search 2
The Worcester Foundation for Biomedical Research
222 Maple Avenue, Shrewsbury, MA 01545



Review of applications will begin
October 15, 1995.
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Postdoctoral Position in Molecular/Cell Biology

Position available for Ph.D. and/or M.D. to study vascular biology utilizing gene transfer technology. Areas of active interest include development of recombinant adenovirus systems for transfer of genes into the vascular wall, and application of gene transfer systems to animal models of vascular injury (atherosclerosis, restenosis). A strong background in molecular biology and cell biology, including tissue culture methods, is important.

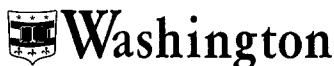
Please send or fax curriculum vitae, summary of research experience, and names and telephone numbers of 3 references to: Daniel Z. Fisher, M.D., Ph.D., Department of Medicine, Division of Cardiovascular Medicine, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, MA 01655. Fax: 508-856-4571



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Positions Available



WASHINGTON UNIVERSITY • IN • ST. LOUIS

Department of Genetics

The Department of Genetics plans to hire several new faculty members. Applications for junior level, tenure track faculty positions are invited. Current interests of department include:

- 1) model systems
- 2) mammalian genetics
- 3) computational biology
- 4) quantitative genetics

Responsibilities include establishment of a strong and interactive research program and a commitment to graduate and/or medical student education.

Applicants should send a curriculum vitae and a statement of current and future research plans and arrange for the submission of three letters of reference by November 15 to:

Robert Waterston, M.D., Ph.D.
Search Committee
Department of Genetics
Box 8232
Washington University School of Medicine
4566 Scott Avenue
St. Louis, MO 63110

Project Scientist and Postdoctoral Fellow

Positions available beginning October 1 for Ph.D.s with training and experience in molecular biology. Endogenous growth factor/receptor expression and function in corneal and breast cells, including the role of apoptosis in wound healing.

Published experience with recombinant DNA techniques, nucleic acid sequencing, Northern blotting, Western blotting, and PCR required.

Send curriculum vitae, cover letter of interests, and three references to:

Steven E. Wilson, M.D.
Eye Institute and
Department of Cell Biology/A31
Cleveland Clinic Foundation
9500 Euclid Avenue
Cleveland, OH 44195

Cleveland Clinic Foundation is an Equal opportunity/Affirmative action employer.

FACULTY POSITION IN STRUCTURAL BIOLOGY

WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH AND DEPARTMENT OF BIOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY



Candidates are sought for a faculty position in the field of Structural Biology at the Whitehead Institute. Although candidates at all levels will be considered, preference will be given to candidates at the level of Assistant Professor (tenure track). The successful candidate will be expected to conduct an active research program and to participate in the Department's teaching program.

Applicants should have significant research accomplishments in the use of X-ray crystallographic approaches to study problems in structural biology.

Send a curriculum vitae, a summary of your proposed research program, and arrange to have three to five letters of recommendation with an evaluation of accomplishments and future potential to: **Dr. Peter S. Kim, Chair, Structural Biology Search Committee, Whitehead Institute for Biomedical Research, Department of Biology, Massachusetts Institute of Technology, Nine Cambridge Center, Cambridge, MA 02142.** An Equal Opportunity/Affirmative Action Employer.

Positions Available

Research Associate

Applications are invited for a non-tenure track faculty position to lead a small team studying signal transduction pathways in plant-pathogen interactions.

He/she must have at least three years of postdoctoral training, experience in managing people, and a strong background in classical genetics, molecular biology and plant pathology. Annual salary \$32,648 plus benefit package.

Please forward your curriculum vitae, and the names of three references, to:

**Faculty Search
Waksman Institute
Rutgers
The State University of New Jersey
PO Box 759
Piscataway, NJ 08855-0759**

*Successful candidate to provide
employment eligibility verification.*

*Rutgers is an Affirmative Action/
Equal Opportunity Employer.*

Postdoctoral Position Immunology/Lymphoid Neoplasia University of Minnesota

A position is available effective September 15, 1995 to study human B cell development. Current efforts are focused on elucidating the differences in growth regulation and bone marrow microenvironmental requirements that distinguish normal B cell precursors and their leukemic counterparts. The laboratory will re-locate to new state-of-the-art research facilities in the University of Minnesota Cancer Center by March, 1996.

A strong background in molecular/cellular biology with in depth training in immunology is required. Experience with differential display technology is highly desirable. Please send CV, a brief letter describing your long-term career goals, and the complete addresses of three references to:

**Tucker W. LeBien, Ph.D.
University of Minnesota
Box 609 UMMC
420 Delaware St. SE
Minneapolis, MN 55455
FAX: 612-626-7059**

Columbia University College of Physicians and Surgeons

Department of Biochemistry and Molecular Biophysics

We seek outstanding candidates for faculty positions in developmental biology, with an emphasis on molecular or genetic approaches. Both tenure-track and tenured positions are available.

We are especially interested in researchers addressing questions of intercellular communication during early development and neurogenesis, including definition of molecules influencing axonal guidance and targeting during synaptogenesis. We also seek persons interested in analyzing programs of gene expression involved in the control of cell determination and differentiation.

Candidates should submit a curriculum vitae, bibliography, summary of current and future research goals, and letters of recommendation from three references. Applications should be addressed to: Thomas Jessell, Search Committee, Department of Biochemistry and Molecular Biophysics, Columbia University, 630 West 168th Street, New York, NY 10032.

Columbia University is an equal opportunity/affirmative action employer.

Harvard Medical School Beth Israel Hospital

Postdoctoral Position(s) are available in the Vascular Biology Unit, Cardiovascular Division. An immediate opening is with a project concerning the role of protein kinase C in platelet/megakaryocytic function; other projects are focused on surface receptors and intracellular mediators that alter endothelial growth and angiogenesis. A wide range of approaches will be utilized, including cell physiology, biochemistry, recombinant DNA, and transgenic mice; preference will be given to candidates with demonstrated expertise in recombinant DNA and/or transgenics.

Send curriculum vitae and name, address and phone numbers of three references to:

**Dr. J. Anthony Ware
Cardiovascular Division
Harvard-Thorndike Laboratories
Beth Israel Hospital
330 Brookline Avenue
Boston, MA 02215**

Fax: (617) 667-4833

Positions Available

Assistant and Associate Professors Department of Pharmacology

Two new tenure-track positions are available for energetic individuals taking molecular and/or cellular approaches to modern pharmacological research problems. Candidates should have strong evidence of sustained creativity and a temperament that facilitates collegial and collaborative interactions. Qualified Ph.D. or M.D. candidates with research interests involving receptor/protein structure or cell growth regulation, and a track record of research funding, are especially encouraged.

Appointees will receive excellent, new laboratory space and start-up funds in a setting that fosters their professional development. Our multidisciplinary graduate programs provide a large and excellent pool of graduate students, and appointees will also participate in medical student training. Emory University is centrally located in an attractive residential setting in the Atlanta metropolitan area, and has undergone rapid growth in molecular and cellular biomedical research programs.

Applicants should send curriculum vitae, representative reprints, a summary of current research and future plans, and names of three or more referees to:

**Raymond Dingledine
Chairman
Department of Pharmacology
Emory University School of Medicine
Atlanta, GA 30322**

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SCIENTIST

Protein Engineering & Analysis

Global manufacturer of leading biotechnology products seeks an individual with a strong interest and innovative ideas in developing products for studying proteins, including protein-protein and protein-nucleic acids interactions, and protein characterizations. This position also involves the construction of novel expression vectors.

Requires Ph.D. in Molecular Biology or related field; 2-5 years of post-doctoral experience; demonstrated expertise in analysis of proteins; ability to work as a team member; excellent interpersonal communication skills and a desire to work at the bench.

Competitive salary/benefits package. Send resume/salary history to: **C. Kress, Human Resources Manager, Life Technologies, Inc., 8717 Grovemont Circle, Gaithersburg, MD 20884-9980. Or Fax: 301-840-5974.** Equal opportunity employer m/f.

LIFE  **TECHNOLOGIES™**

Faculty Position in Developmental Biology University of Texas at Austin

The Department of Zoology seeks an **Assistant Professor** for a tenure-track position in any area of developmental biology. The Department has faculty investigating mouse developmental genetics, *Drosophila* development and neurobiology, frog development, organogenesis of the kidney and heart, invertebrate development and cell biology of the cytoskeleton.

The candidate will be expected to teach at least ONE of the following undergraduate courses: Genetics, Cell Biology or Developmental Biology.

Applicants should submit a CV, a two page summary of research interests, and have three letters of reference sent by October 15 to:

**Chairman
Department of Zoology
University of Texas at Austin
Austin, TX 78712**

The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer.

Positions Available

Biomaterials University of Connecticut Health Center

Candidates are sought for faculty positions in the newly formed Center for Biomaterials. The focus of the Biomaterials Center is the study of material-tissue interfacial behavior, which includes tissue response at the cellular and molecular level and fabrication, modification and characterization of materials and surfaces.

Successful candidates will have demonstrated outstanding research achievement. Academic rank commensurate with accomplishments. Excellent opportunities are available for collaboration and significant support is available for research start-up.

Applicants should send a *curriculum vitae*, copies of recent significant publications and brief descriptions of current research, future plans and research funding experience to:

Dr. A. Jon Goldberg
Director
Center for Biomaterials, MC 1615
University of Connecticut Health Center
263 Farmington Avenue
Farmington, Connecticut 06030-1615

Search Codes: 95-239, 95-240, 95-241

An Affirmative Action/Equal Opportunity Employer M/F/PwD/V

Molecular Endocrinologists

Merck Research Laboratories in Rahway, New Jersey, has several openings for doctoral-level scientists in our Molecular Endocrinology group — a top-notch team pursuing basic research oriented towards drug discovery for the therapy of diabetes, obesity and other metabolic disorders.

Successful candidates must have a Ph.D. or equivalent in Molecular and Cell Biology or Biochemistry and must have completed postdoctoral training in these or related disciplines. Additional professional experience and familiarity with the pathogenesis of endocrine disorders is desirable. A proven publication record and strong oral and written communications skills are required. Those with specific expertise in some of the following fields are particularly encouraged to apply:

Fields — Signal transduction, gene expression/nuclear receptors, protein sorting and trafficking, physiology and biochemistry of glucose metabolism.

Techniques — Cloning (potentially including expression- and subtraction-cloning), characterization and cloning of transcription factors, protein purification, yeast hybrid system, protein expression systems and whole animal tracer infusion (cuglycemic clamp, etc.).

Merck Research Laboratories, a division of Merck & Co., Inc., is located approximately 25 miles from New York City. Our salaries, benefits and growth potential are excellent. For consideration, please send your resume with the names of three references to: **Human Resources, Merck Research Laboratories, P.O. Box 2000, RY80-A3, Ad #C-166, Rahway, NJ 07065.** We are an affirmative action/equal opportunity employer M/F/D/V.



DEVELOPMENTAL BIOLOGY Faculty Position

The Department of Cell Biology at the Duke University Medical Center is planning an expansion of its faculty in the field of Developmental Biology. Interactive scientists with a strong research commitment and interests in elucidating the cellular and molecular basis of development are encouraged to apply. Preference will be given to vertebrate model systems. Appointments will likely be at the level of Assistant Professor. Minority applicants are encouraged to apply.

Please send a curriculum vitae, a brief description of research interests, and arrange for us to receive letters from at least three references by November 15, 1995. Address initial correspondence to: Michael P. Sheetz, Chairman, Department of Cell Biology, Duke University Medical Center, Box 3709, Durham, NC 27710.

**Duke University
Medical Center**

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Positions Available



RESEARCH ASSISTANT PROFESSOR

The Department of Pathology and Laboratory Medicine at the University of Pennsylvania invites applications for two research track positions at the Research Assistant Professor level beginning no later than January 1, 1996. The candidate must hold M.D., Ph.D. or M.D./Ph.D. degrees. The successful candidate for one position will have a strong background in the biochemistry and molecular biology of the plasminogen activator system to join a multidisciplinary research group. The candidate for the second position will have a strong background in human hematopoiesis including the requisite cell and molecular biology techniques. The applicants' capacity for independently funded research will be a critical factor in a successful application for each position. Those interested in applying for these positions should send their curriculum vitae, a statement describing their previous interests and future goals and the names of three references by October 1, 1995 to:



Ben Franklin's University

Dr. Steven Spitalnik,
Chairman of the Search Committee
Department of Pathology
and Laboratory Medicine
220 John Morgan Building
University of Pennsylvania
Philadelphia, PA 19104

The University of Pennsylvania is an
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Assistant Member Sloan-Kettering Institute Molecular Biology Program

The Molecular Biology Program at Sloan-Kettering Institute seeks candidates for a tenure track position at the Assistant Member level to **undertake research studying developmental processes**. Successful candidates will have demonstrated outstanding potential for a research career in developmental biology. Sloan-Kettering Institute offers an interactive research environment, with research groups working in areas of molecular biology, developmental biology, cell biology and structural biology. Please submit curriculum vitae, research statement including present and future research activities, and three letters of recommendation by October 20. Prospective candidates should send applications to:

**Developmental/Molecular Biology
Search Committee**
c/o P. Besmer
Memorial Sloan-Kettering Cancer Center
1275 York Avenue, Box 46
New York, NY 10021

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Affirmative Action Employer.*

Developmental Biologist

The Department of Biological Sciences at the University of Notre Dame invites applications for a tenure track faculty position. The successful candidate is expected to develop and maintain an active research program in an area of modern developmental biology. Outstanding applicants in all areas of developmental biology will be considered. Teaching responsibilities will be one course per semester and will include an undergraduate course in developmental biology.

The University of Notre Dame offers competitive salary and start-up package, and state-of-the-art research facilities (i.e. animal care including a new zebrafish facility, common facilities for peptide and oligonucleotide synthesis and sequencing, NMR, electron and confocal microscopy).

Applicants should submit curriculum vitae, a statement of research and teaching interests, and letters from three references by October 15, 1995 to:

Dr. Sunny K. Boyd
Department of Biological Sciences
University of Notre Dame
Notre Dame, IN 46556

*The University of Notre Dame is an Affirmative Action/Equal Opportunity
Employer encouraging women and minorities to apply.*

Positions Available

Research Grants Available for

Ataxia Telangiectasia

With the recent cloning of the mutated gene that causes Ataxia-Telangiectasia (see papers published in this issue on A-T homologs in yeast and *Drosophila*), funding is now available from the A-T Children's Project to support international scientific research aimed at understanding the gene's function. Competitive awards will be given for one- and two-year projects to be funded up to a maximum total direct cost of \$100,000 per year. Areas of special interest include:

- elucidating the mechanism of neural degeneration in A-T
- experiments to define the functional domains of the protein products
- experiments to define interacting proteins
- A-T related protein signalling in all systems
- the expression and role of the A-T gene in cerebellar Purkinje and granule cells
- A-T gene knock-out mouse models
- therapeutic value of neurotrophins
- gene therapy in the CNS

Grant award decisions are made through a careful and detailed, two-tiered, peer-review selection process. Scientific excellence and relevance to A-T are the paramount criteria in grant decisions. Proposals from academic, corporate and government labs are reviewed and awarded quarterly. No indirect or overhead costs will be funded. The next two deadlines for proposal submission are October 1, 1995 and January 1, 1995. Please write, call or fax for grant proposal guidelines.



21645 Cartagena Drive
Boca Raton, Florida 33428 U.S.A.
Phone: (407)483-2661
FAX: (407)483-2088

Developmental Biology Massachusetts General Hospital Harvard Medical School

Postdoctoral/Research Associate positions are available to study the molecular and cellular biology of cardiac and skeletal muscle development. Our laboratory analyzes mechanisms of cell lineage commitment, nerve-muscle interactions, and the formation of muscle cells in the mouse embryo. RNA, DNA, protein, immunological, cell culture, and transgenic techniques are used. The positions include joint appointments with M.G.H. and Harvard Medical School. Starting dates are flexible with one position available immediately. Interested candidates should send a c.v., reprints, and references to:

Dr. Jeffrey B. Miller
Neuromuscular Laboratory, 149-6627
Massachusetts General Hospital
149 13th Street
Charlestown, MA 02129
Fax: 617-726-5677

*Massachusetts General Hospital and
Harvard University are equal opportunity/
affirmative action employers.*

Faculty Position Department of Molecular and Medical Genetics

Oregon Health Sciences University Portland, Oregon

Applications are invited for a tenure-track position at the Assistant/Associate Professor level. The Department seeks individuals who have demonstrated excellence in research. Preference will be given to candidates with research interests in molecular, cellular or developmental genetics of either simple or complex eukaryotes, including humans. Applications should include a curriculum vitae, a brief description of research accomplishments, a brief description of future research goals and the names of three references. Deadline is October 31, 1995. Please address applications to:

Faculty Search Committee
Department of Molecular and
Medical Genetics, L103
Oregon Health Sciences University
3181 SW Sam Jackson Park Road
Portland, OR 97201-3098

Conferences and Courses

Vanderbilt University Medical Center & the Division of Continuing Medical Education

And National Heart, Lung, and Blood Institute

Present

"Gene Therapy for Acquired Diseases"

October 19-21, 1995
Nashville, Tennessee

Presentations will include

"Gene Therapy: Promises and Problems"
Inder Verma, M.D.

"Basic Science and Technology of Gene
Transfer: Molecular Conjugates"
Matthew Cotten, Ph.D.

"Gene Therapy for Breast Cancer"
Cynthia Dunbar, M.D.

"Gene Transfer for Restenosis"
Victor Dzau, M.D.

"Gene Therapy for Diseases of
the Lung: ARDS"
Kenneth Brigham, M.D.

"Controls of Apoptosis as Potential
Targets of Gene Therapy"
Dale Bredesen, M.D.

"Immunotherapy Approaches for Cancer"
Michael Lotze, M.D.

"Regulatory Issues"
Philip Noguchi, M.D.

Wine and Cheese Poster Session

Travel scholarships will be offered for students,
fellows, and junior faculty who are a minority,
a woman, or disabled.

For information and registration:

Arlene A. Stecenko, M.D.
Vanderbilt University School of Medicine
Center for Lung Research
T-1217 Medical Center North
Nashville, Tennessee 37232-2650
Phone: 615/322-3412
Fax: 615/343-7448
E-mail:
Arlene.Stecenko@mcm.vanderbilt.edu

UPCOMING ATCC BIOTECH WORKSHOPS

**All ATCC Workshops are structured around
practical laboratory experimentation,
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MICROBIOLOGY

- Microscopy/Photomicrography — Sept. 20–22
- Downstream Processing, Recovery and Purification of Proteins — Oct. 18–20
- Freezing and Freeze-Drying of Microorganisms — Nov. 1–3

CELL BIOLOGY

- Cytogenetic and Fluorescence In Situ Hybridization Techniques — Sept. 25–27
- Insect Cell Culture and Recombinant Protein Expression With the Baculovirus Expression Vector System — Oct. 3–6
- Diagnostic Virology — Oct. 11–13
- Cell Culture and Hybridomas: Quality Control and Cryopreservation Techniques—Oct. 25–27

MOLECULAR BIOLOGY

- Downstream Processing, Recovery and Purification of Proteins — Oct. 18–20
- Recombinant DNA: Techniques and Applications — Nov. 6–10
- Polymerase Chain Reaction (PCR) Applications/Cycle DNA Sequencing—Nov. 14–17

**All workshops are held in the Washington, D.C. area.
FOR INFORMATION AND REGISTRATION, CONTACT:**

ATCC

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Fax: **1-301-816-4364**

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Conferences and Courses

SmithKline Beecham Pharmaceuticals Announces The Eighth In Its Series of **U.S. RESEARCH SYMPOSIA**

CELL CYCLE REGULATION

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ORGANIZERS: Brian Metcalf
Robert R. Ruffolo, Jr.
George Poste

TOPICS:

- 1. Regulation of the Eukaryotic Cycle**
- 2. Signal Transduction Mechanisms**
- 3. Regulation of the Cell Cycle**
- 4. Transcriptional Regulation**
- 5. Apoptosis**

SPEAKERS:

Dr. David Beach
Dr. John Blenis
Dr. William C. Earnshaw
Dr. Gerald A. Evans

Dr. Calvin Harley
Dr. James Ihle
Dr. Marc W. Kirschner
Dr. David Lane

Dr. Peter M. Lansdorp
Dr. John C. Lee
Dr. Frank McCormick
Dr. John C. Reed

Dr. Priscilla A. Schaffer
Dr. Joseph Schlessinger
Dr. Lucille Shapiro
Dr. Steven M. Taffet

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For additional information and registration forms, contact:

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